

03050206-020
(Four Hole Swamp)

General Description

Watershed 03050206-020 is located in Orangeburg and Calhoun Counties and consists primarily of **Four Hole Swamp** and its tributaries from Bull Swamp to Cow Castle Creek. The watershed occupies 72,460 acres of the Upper and Lower Coastal Plain regions of South Carolina. The predominant soil types consist of an association of the Rains-Goldsboro-Hobcaw-Lynchburg-Mouzon series. The erodibility of the soil (K) averages 0.15; the slope of the terrain averages 1%, with a range of 0-2%. Land use/land cover in the watershed includes: 4.61% urban land, 40.97% agricultural land, 10.94% scrub/shrub land, 2.16% barren land, 25.76% forested land, 15.38% forested wetland (swamp), 0.01% nonforested wetland (marsh), and 0.17% water.

As a reach of Four Hole Swamp, this watershed accepts the drainage from all streams entering the swamp system upstream. This section of Four Hole Swamp also accepts drainage from Middle Pen Swamp, Polk Spring Creek, Indian Camp Branch, Goodbys Swamp (Keller Branch), Mill Branch, and Bush Branch. There are a total of 112.7 stream miles in this watershed. Four Hole Swamp and Middle Pen Swamp are classified FW* (site specific classification requires DO not less than 4.0 mg/l and pH between 5.0-8.5), and the remaining streams are classified FW.

Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
E-111	W	FW*	FOUR HOLE SWAMP AT SC 210

Four Hole Swamp (E-111) - This stream was Class B until April, 1992. Aquatic life and recreational uses are fully supported.

A fish consumption advisory has been issued by the Department for mercury and includes the streams within this watershed (see advisory p.31).

Permitted Activities

Point Source Contributions

RECEIVING STREAM FACILITY NAME PERMITTED FLOW @ PIPE (MGD) COMMENT	NPDES# TYPE LIMITATION
MIDDLE PEN SWAMP DITCH DAYS INN/ORANGEBURG PIPE #: 001 FLOW: 0.02 WQL FOR NH3-N, DO, TRC, BOD5	SC0024422 MINOR DOMESTIC WATER QUALITY
MIDDLE PEN SWAMP DITCH NORTHWOOD ESTATES/MID-CAROLINA PIPE #: 001 FLOW: 0.0725 WQL FOR NH3-N, DO, TRC, BOD5	SC0030937 MINOR DOMESTIC WATER QUALITY
MIDDLE PEN SWAMP BROOKLAND PLANTATION HOME PIPE #: 001 FLOW: 0.009	SC0032671 MINOR COMMUNITY EFFLUENT

Mining Activities

***MINING COMPANY
MINE NAME***

***PERMIT #
MINERAL***

**BLUE CIRCLE, INC.
BLUE CIRCLE CLAY PIT**

**0939-38
CLAY**

Growth Potential

Interstate 26 crosses this watershed and should promote some growth around the interchange of U.S. Highway 301 out of the City of Orangeburg. U.S. Highway 176 also crosses U.S. Highway 301 as it parallels I-26.